



ST. ANGEL'S SCHOOL
WINTER HOLIDAYS
HOMework(2018-19)
CLASS XI

ENGLISH

PREPARE FOR SPEAKING ASSESSMENT 2018-19

1. Causes of stress in modern generation. (1-8)
2. Be aware, connect with care. (9-16)
3. Make in India. (17-24)
4. Yoga- A gateway of healthy life. (25-32)
5. Swachha Bharat Abhiyan. (33-40)
6. Dependence on technology is making human less intelligent. (41-48)

SUBJECT TEACHER : _____

HOD: _____

MATHS

Note: Do assignment Questions in Homework register.

Chapter 12 Introduction to 3D Geometry

Q.1 Find the points which is equidistant from the point A(0,2,3) and B (2,-2,1)

Q.2 Show that the point (0,7,10) , (-1,6,6)and(-4,9,6) are the vertices of isosceles right angled triangle

Q.3 The midpoints of the sides of the triangle are (1,5,-1) , (0,4,-2) and (2,3,4) find its vertices

Q.4 Find the ratio in which the sphere $x^2+y^2+z^2=504$ divides the line joining the points (12,-4,8) and (27,-9,8)

Q.5 Find the centroid of a triangle , midpoints of whose sides are (1,2,-3) , (3,0,1) and (-1,1,-4)

Chapter 13 Limits and Derivatives

Q.1 Let $f(x)$ be a function defined by

$$f(x) = \begin{cases} 4x-5, & \text{if } x \leq 2 \\ x - \Theta, & \text{if } x > 2 \end{cases}$$

find Θ if $\lim_{x \rightarrow 2} f(x)$ exist

Q.2 Find K so that $\lim_{x \rightarrow 2} f(x)$ may exist, where

$$f(x) = \begin{cases} 2x+3, & \text{if } x \leq 2 \\ x+k, & \text{if } x > 2 \end{cases}$$

Q.3 Evaluate : $\lim_{x \rightarrow 3} \frac{x^4 - 4}{(x^2 + 3x\sqrt{2-8})}$

Q.4 Evaluate : $\lim_{x \rightarrow 1} \frac{1}{x^2} + x - 2 - \frac{x}{x^3 - 1}$

Q.5 Evaluate : $\lim_{x \rightarrow 0} \frac{\sqrt{a^2 + x^2} - \sqrt{a^2 - x^2}}{x^2}$

Q.6 Evaluate : $\lim_{x \rightarrow A} \frac{(x+2)^{5/3} - (A+2)^{5/3}}{x-A}$

Q.7 If $\lim_{x \rightarrow 2} \frac{x^n - 2^n}{x-2} = 80$ and $n \in \mathbb{N}$ find n

Q.8 $\lim_{x \rightarrow 0} \frac{1 - \cos mx}{1 - \cos nx}$

Q.9 Find the derivative of the following function by first principles

- (a) cosec x b) $\sqrt{\sin x}$ c) $\tan\sqrt{x}$ d) $x^2 \cos x$

Q.10 Differentiate the following functions with respect to x:

- i. $(x^2 + \frac{1}{x^2})^3$
ii. $\frac{x}{\sec x} + \tan x$
iii. $(x \sin x + \cos x)(x \cos x - \sin x)$
iv. $e^x \cdot \log\sqrt{x} \tan x$
v. $\sin x \cdot e^x \cdot x^3$

Q11) Evaluate the following limits , if exist

i) $\lim_{x \rightarrow 3} (e^x - e^3)/(x-3)$

ii) $\lim_{x \rightarrow 0} \frac{\log(1+x^3)}{\sin^3 x}$

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PHYSICS

OSCILLATIONS

1. Water in a U-tube executes S.H.M. Will the time period for mercury filled up to the same height in the tube be lesser or greater than that in case of water?
2. The displacement of a particle in S.H.M may be given by $y = \sin(\omega t + \phi)$, show that if the time t is increased by $2\pi/\omega$, the value of y remains the same.
3. Draw (a) displacement time graph of a particle executing SHM with phase equal to zero (b) velocity time graph and (c) acceleration time graph of the particle.
4. Derive an expression for the time period of the horizontal oscillations of a massless loaded spring.

Thermal properties of matter

1. At what temperature the resistance of thermometer will be 12% more of its resistance at 0°C (given temperature coefficient of resistance is $2.5 \times 10^{-3} \text{ }^{\circ}\text{C}^{-1}$)?
2. 100g of ice at 0°C is mixed with 100 g of water at 80°C . The resulting temperature is 6°C . Calculate heat of fusion of ice.
3. Calculate heat required to convert 3kg of water at 0°C to steam at 100°C . Given specific heat capacity of $\text{H}_2\text{O} = 4186 \text{ J kg}^{-1} \text{ K}^{-1}$ and latent heat of steam = $2.256 \times 10^6 \text{ J/kg}$
4. Define coefficient of thermal conductivity. Two metal slabs of same area of Cross -section, thickness d_1 and d_2 having thermal conductivities K_1 and K_2 respectively are kept in contact. Deduce expression for equivalent thermal conductivity.

WAVES

1. A wire stretched between two rigid supports vibrates in its fundamental mode with a frequency 45 Hz. The mass of the wire is $3.5 \times 10^{-2} \text{ kg}$ and its linear density is $4.0 \times 10^{-2} \text{ kg m}^{-1}$. What is (a) the speed of transverse wave on the string and (b) the tension in the string?
2. A steel rod 100 cm long is clamped at its middle. The fundamental frequency of longitudinal vibrations of the rod as given to be 2.53 kHz. What is the speed of sound in steel?
3. One end of a long string of linear mass density $8.0 \times 10^{-3} \text{ kg m}^{-1}$ is connected to an electrically driven tuning fork of frequency 256 Hz. The other end passes over a pulley and is tied to a pan containing a mass of 90 kg. The pulley end absorbs all the incoming energy so that reflected waves at this end have negligible amplitude. At $t = 0$, the left end of the string $x = 0$ has zero transverse displacement ($y = 0$) and is moving along positive x direction. The amplitude of wave is 5.0 cm. Write down the transverse displacement y as function of x and t that describes the wave on the string.
4. A pipe 20 cm long is closed at one end, which harmonic mode of the pipe is resonantly excited by a 430 Hz source? Will this same source can be in resonance with the pipe, if both ends are open? Speed of sound = 340 ms^{-1} .

SUBJECT TEACHER : _____

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CHEMISTRY

Question 1: Suggest a method to purify a liquid which decomposes at its boiling point?

Question 2: How will you separate a mixture of o-nitrophenol and p-nitrophenol?

Question 3: Lassaigne's test is not shown by diazonium salt. Why?

Question 4: Why alcohols are weaker acids than Water?

Question 5: Why is nitric acid added to Sodium Extract before adding Silver nitrate for testing halogens?

Question 6: Write the hybridized state of C atoms in the following:



Question 7: Which bond is more polar in the following pairs of molecules?

a) $\text{H}_3\text{C}-\text{NH}_2$, $\text{H}_3\text{C}-\text{OH}$

b) $\text{H}_3\text{C}-\text{OH}$, $\text{H}_3\text{C}-\text{SH}$

Question 8: In which C-C bond of $\text{CH}_3\text{CH}_2\text{CH}_2\text{Br}$, the inductive effect is expected to be the least.

Question 9: Why $(\text{CH}_3)_3\text{C}^+$ carbocation is more easily formed than $(\text{CH}_3)_2\text{HC}^+$ carbocation?

Question 10: What are Electrophiles and Nucleophiles? Give examples.

Question 11: Write resonating structure of $\text{CH}_2 = \text{CH}-\text{CHO}$.

Question 12: Explain Hyperconjugation.

Question 14: Why does C-H bond length decrease in the order $\text{C}_2\text{H}_6 > \text{C}_2\text{H}_4 > \text{C}_2\text{H}_2$?

Question 15: Why is cyclopropane more reactive than propane?

Question 16: Why is Wurtz reaction not preferred for preparation of alkanes containing odd no of carbon atoms?

Question 17: In the presence of peroxide addition of HBr to propene takes place according to anti Markovnikov's rule but peroxide effect is not seen in the case of HCl and HI. Explain.

Question.18 :Why benzene is extraordinarily stable though it contains three double bonds?

Question 19: Why alkynes do not show geometrical isomerism?

Question 20: Arrange benzene, n-hexane and ethyne in decreasing order of acidic behaviour.

Note: Prepare chapter 12 and 13 for class test after the vacations.

SUBJECT TEACHER : _____

HOD: _____

BIOLOGY

Chapter- 19 Excretory Products and their Elimination

Q.1 Differentiate between ureotelic and uricotelic animals with examples.

Q.2 Which is the chief nitrogenous waste product in birds ?

Q.3 How is it advantageous for certain fishes to be ammonotelic ?

Q.4 Describe glomerular filtration in human nephrons .

Q.5 How do kidneys contribute to osmoregulation.

Chapter- 20 Locomotion And movement

- Q.1 Explain a synovial joint .
- Q.2 Differentiate between osteoporosis and osteoarthritis.
- Q.3 What is the role of calcium ions in muscle contraction?
- Q.4 Explain in detail the sliding filament theory of muscle contraction .
- Q.5 Describe in detail the structure of a sarcomere.

CH-21 Neural Control And Coordination

- Q.1 Explain any two functions of cerebrospinal fluid in humans.
- Q.2 What is blind spot ? why is it so named ?
- Q.3 Enumerate the functions of hypothalamus.
- Q.4 Where are temporal lobe and corpus callosum located? Give one function of each.
- Q.5 Explain briefly the function of human middle ear.

SUBJECT TEACHER : _____

HOD: _____

COMPUTER SCIENCE

ASSIGNMENT :

- 1) What is “ code generation”?
- 2) What do you understand by “ guard code”?
- 3) What is dangling else problem?
- 4) What are escape sequences?
- 5) What is portability of a program?
- 6) What is robustness?
- 7) What are the characteristics of a good program?
- 8) What are the 3 steps in using a function?
- 9) Write a function in c++ having 2 parametres X and n of integer type with result type float to find sum of following series:
$$1 + x/2! + x^2/3! ++ x^n/(n+1)!$$
- 10) What are multidimensional array?

- 11) Do the array values are stored in memory location? Justify.
- 12) Give any two processes performed during pre-processing phase.
- 13) What is an algorithm and what are different symbols of a flow chart?
- 14) Explain the following:
 - (i) selection sort
 - (ii) Bubble sort
- 15) What will be the output of the following :-

```
#include<iostream.h>
#include<conio.h>
int jumpingbit[]={ 8,40,20.60};
void main()
{
    clrscr();
    int i=0, j=1;
    while(jumpingbit[0]>0)
    {
        jumpingbit[j]+=1;
        jumpingbit[i]- = 1;
        for(int k=i; k<=3;k++)
            cout<<jumpingbit[k]<<" ";
        cout<<"\n";
        if(j<3)
            j+=1;
        else
            j=1;
    }
    getch(); }
```

PRACTICAL QUESTIONS:

- 1) Write a program to raise a number 'x' to power 'n'.
- 2) Write a program to take an alphabet from user and to print its next four alphabets using functions.
- 4) Write a C++ program to find cube of a number using functions.
- 5) Write a program to find smallest and largest element of a 1D array.
- 6) Write a program to swap two numbers using functions.
- 7) Write a program to replace a given number with zero in a 2D array.
- 8) Write a program to calculate compound interest for 10 clients of an investment company. Details (including costume name, code and date of starting, number of years, interest rate and total amount) are stored in an array of structure.
- 9) Write a program to store information of 10 employee and to display information of an employee depending upon the employee number given.

- 10) Write a program to create an array containing details of 15 students (including Roll number, name, marks in three subjects) and print out a list of these students with details.
- 11) Write a program to add two array A and B of size $m \times n$.
- 12) Write a function that receives two numbers as an argument and display all prime numbers between these two numbers. Call this function from main().

SUBJECT TEACHER : _____

HOD: _____

BUSINESS STUDIES

Project : Marketing Management

Students are required to select any one product from the following list and make a project.

List of products

1. Toothpaste
2. Noodles
3. Shampoo
4. Bathing soap
5. Washing detergent
6. Washing powder
7. Lipstick
8. Moisturiser
9. Shoe polish
10. Pen
11. Shoes
12. Hair dye
13. Mobile

14. Chocolate
15. Sauces/ketchup
16. Ready soups
17. Body spray
18. Fairness cream
19. Hair oil
20. Roasted Snacks
21. Jeans
22. Pickles
23. Squashes
24. Jams
25. Salt
26. Bread
27. Butter
28. Shaving cream
29. Razor
30. Cheese spreads
31. e –Wash
32. Tiffin wallah
33. Air Conditioners
34. Infant dress
35. Sunglasses
36. Fans
37. Fruit candy
37. Washing powder
39. Bathroom cleaner
40. Wipes
41. Shoe polish . etc.

Identify one product/service from the above which the students may like to manufacture/provide [pre Assumption].

Now the students are required to make a project on the identified product/service keeping in mind the Following.

1. Why have they selected this product/service?
2. Find out 5" competitive brands that exist in the market.
3. What permission and licenses would be required to make the product?
4. What are your competitors Unique Selling Proposition? [U.S.P.]?
5. Does your product have any range give details?
6. What is the name of your product?
7. Enlist its features.
8. Draw the „Label“ of your product.
9. Draw a logo for your product.
10. Draft a tag line.
11. What is the selling price of your competitor’s product?

(i) Selling price to consumer

ii) Selling price to retailer

(iii) Selling price to wholesaler

What is the profit margin in percentage to the

- Manufacturer.
- Wholesaler.
- Retailer.

12. How will your product be packaged?

13. Which channel of distribution are you going to use? Give reasons for selection?

14. Decisions related to warehousing, state reasons.

15. What is going to be your selling price?

(i) To consumer

(ii) To retailer

(iii) To wholesaler

16. List 5 ways of promoting your product.

17. Any schemes for

(i) The wholesaler

(ii) The retailer

(iii) The consumer

18. What is going to be your „U.S.P?

19. What means of transport you will use and why?

20. Draft a social message for your label.

21. What cost effective techniques will you follow for your product.

22. What cost effective techniques will you follow for your promotion plan.

At this stage the students will realise the importance of the concept of marketing mix and the necessary decision regarding the four P's of marketing.

- Product
- Place
- Price
- Promotion

On the basis of the work done by the students the project report should include the following:

1. Type of product /service identified and the (consumer/industries) process involve there in.
2. Brand name and the product.
3. Range of the product.
4. Identification mark or logo.
5. Tagline.
6. Labeling and packaging.
7. Price of the product and basis of price fixation. 8. Selected channels of distribution and reasons thereof.
9. Decisions related to transportation and warehousing. State reasons.
10. Promotional techniques used and starting reasons for deciding the particular technique.
11. Grading and standardization.

Presentation and Submission of Project Report

At the end of the stipulated term, each student will prepare and submit his/her project report.

Following essentials are required to be fulfilled for its preparation and submission.

1. The total length of the project will be of 25 to 30 pages.

2. The project should be handwritten.
3. The project should be presented in a neat folder.

The project report should be developed in the following sequence-

- Cover page should include the title of the Project, student information, school and year.
- List of contents.
- Acknowledgements and preface (acknowledging the institution, the places visited and the persons who have helped).
- Introduction.
- Topic with suitable heading.
- Planning and activities done during the project, if any.
- Observations and findings of the visit.
- Conclusions (summarized suggestions or findings, future scope of study).
- Photographs (if any).
- Appendix
- Teacher's observation.
- Signatures of the teachers.
- At the completion of the evaluation of the project, it should be punched in the centre so that the report may not be reused but is available for reference only.
- The projects will be returned after evaluation. The school may keep the best projects.

ASSESSMENT

Allocation of Marks = 10

The marks will be allocated under the following heads:

1. Initiative, cooperativeness and participation 1 Mark
2. Creativity in presentation 1 Mark
3. Content, observation and research work 2 Mark
4. Analysis of situations 2 Mark
5. Viva 4 Mark

SUBJECT TEACHER : _____

HOD: _____

ACCOUNTANCY

PREPARE ACCOUNTS FILE FOR FINAL PRACTICAL ON COMPREHENSIVE PROBLEM.

COMPREHENSIVE PROJECT- comprising of

- a) Case Study
- b) Journal
- c) Ledger
- d) Trial balance
- e) Financial Statements
- f) Ratio analysis.

Students will prepare a **Project File** to record their work related to the problems attempted by them in the following format :

1. First page of the file should describe title of work, identity of student, school, and the teacher concerned.

2. Index to indicate columns for title of work, page no., date, teacher's remarks and signature.

3. The **format** for Project Work will be :

- Statement of the problem / Name of the Project
- Objectives
- Period of Study
- Source Material
- Tools of Analysis used
- Processing and Tabulation of data
- Diagrammatic/graphic presentation- pie-diagram , bar diagram and graphs.
- Derivations , Interpretation and Conclusion.
- Assumptions (if any)

Project File should be neatly handwritten and presentable with page numbers. Each step of the solution needs to be highlighted. Conclusions drawn should be placed in boxes at the end.

SUBJECT TEACHER : _____

HOD: _____

ECONOMICS

Chapter covered- Ch- 10 Measure of Depression, Ch-11 Measures of Correlation, Ch-12 Index Numbers

RANGE AND ITS COEFFICIENT

Q1 Individual series

22,35,32,45,42,48,39

Q2. 310,350,420,105,115,290,245,450,300,370

Q3 Discrete series

X 6 7 8 9 10 11 12 13

F 8 12 14 20 15 8 7 10

Q4 X 10 20 30 40 50 60 70

F 8 12 7 30 10 5 2

Q5 X 10-20 20-30 30-40 40-50 50-60

F 12 18 14 63 19

Q6 X 5-9 10-14 15-19 20-24 25-29 30-34

F 4 6 3 2 6 4

QUARTILE DEVIATION AND ITS COEFFICIENT

Q1 X 1200 1400 1500 1700 2000 2100 2200

Q2 20 28 40 12 30 15 50

Q3 X 150 151 152 153 154 155 156 157 158

F 15 20 32 35 33 22 20 12 10

Q4 X 10 20 30 40 50 60

F 4 7 15 8 7 2

Q5 X 5-10 10-15 15-20 20-25 25-30 30-35 35-40 40-45 45-50

F 6 10 18 30 15 12 10 6 4

Q6 X [Less than] 25 30 35 40 45

F 2 10 26 16 7

MEAN DEVIATION And Coefficient [From mean and median]

Q1 X 100 150 80 90 160 200 140

Q2 X 210 220 225 225 235 240 250 270 280

Q3 X 5 10 15 20 25 30 35 40

F 16 32 36 44 28 18 12 14

Q4 X 10 11 12 13 14

F 3 12 18 12 3

Q5 C.I 140-150 150-160 160-170 170-180 180-190 190-200

F 4 6 10 18 9

Q6 C.I 0-10 10-20 20-30 30-40 40-50 50-60

F 3 5 7 2 9

Q7 C.I [MORE THAN] 10 20 30 40 50 60

F 5 12 20 35 54 60

STANDARD DEVIATION

INDIVIDUAL SERIES

Q1 8,9,15,23,5,11,19,8,10,12

Q2 3,5,6,7,10,12,15,18

Q3 160,160,161,162,163,163,163,164,164,170

Discrete series

Q4

X 3, 4, 5 6, 7, 8, 9.

F 3, 7, 22, 60, 85, 32, 8

Q5 X 10 20 30 40 50 60 70

F 6 8 16 15 32 11

Q6 X 60 61 62 63 64 65 66 67 6

F 2 0 15 29 25 12 10 4 3

CONTINUOUS SERIES

Q1 AGE 20-25 25-30 30-35 35-40 40-45 45-50

F 17 11 8 5 4 3

Q2 0-10 10-20 20-30 30-40 40-50 50-60 60-70

F 2 4 6 8 6 X 4 2

Q3 X 0-10 10-20 20-30 30-40 40-50 50-60 60-70 70-80

F 5 10 20 40 30 20 10 4

Q4	X	5-10	10-15	15-20	20-25	25-30	30-35
	F	2	9	29	54	11	5
Q5	X	15-19	20-24	25-29	30-34	35-39	40-44
	F	4	20	38	24	10	4

VARIATION AND COEFFICIENT

Q1 Calculate coefficient of variation

Marks	0	10	20	30	40	50	60	70
F	100	90	75	50	20	10	5	0

(a) WHICH two towns A,B , Pays out more amount of daily market?

(b) Find average of daily pocket

© Which town is more consistent?

Q2 The price of share of a company X and Y are given below . State which company is more stable?

X	25	50	45	30	70	42	36	48	34	60
Y	10	70	50	20	95	55	42	60	48	80

Q3 From the following data of two workers , identify who is a more consistent workers?

WORKERS

	A	B
Av.Time	40	42
Std.	8	6

Q4 Find which modal has greater uniformity?

Life in years	0-2	2-4	4-6	6-8	8-10	10-12
Modal A	5	16	13	7	5	4
	2	7	12	19	9	1

CORRELATION OF COEFFICIENT

Q1 Draw scatter dig

X	4	5	6	7	8	9	10	11	12
Y	78	72	66	60	54	48	42	36	30

.Q2 X 8 16 24 31 42 50

Y 70 58 50 32 26 12

Q3 X 8 10 12 11 9 7 13 14 15

Y 5 7 9 8 6 4 10 11 12

Q4 X 10 12 8 15 20 25 40

Y 15 10 6 25 16 12 8

Q karl pearsons coefficient

X 10 12 8 15 20 25 40

Y 15 10 6 25 16 12 8

SUBJECT TEACHER : _____

HOD: _____

INFORMATICS PRACTICES

- **Complete Practical File with 7 Java programs (of for loop, do while loop, while loop, if-else, switch case, radio button, check box)**

Chapter 6-Control Structure

- Q1. What is the difference between while and do while? Explain with the help of an example.
- Q2. What is the purpose of default clause in a switch statement?
- Q3. If we don't use break in case of switch statement what will happen? What is that condition known as?
- Q4. Explain the use of for statement along with its syntax.
- Q5. What are relational operators? Explain with the help of suitable example.
- Q6. Following are the grading system of a school.

Marks	Grade
91-100	A+
81-90	A
71-80	B
61-70	C
Less than 61	D

Develop and application based on the above grading system, to display the grade in a dialog box depending upon the marks entered. For example if the marks entered is 91. The message should be "The student has scored A+".

- Q7. Design a GUI application to print the Fibonacci series. The user should enter the last number, and once he clicks on the enter button the Fibonacci series up to that number should be displayed .

Chapter 7-Programming Guidelines

- Q1. Explain the different types of errors?
- Q2. What are the various stages of developing an application? Explain each statement in 2-3 lines.
- Q3. Why do we use comments in a program? Excessive comments add time to the execution of your program (true/false). Justify.
- Q4. Explain the following terms:
- a) Exception handling
 - b) Syntax
 - c) Portability
 - d) Prettyprinting

Chapter 2-Software Concepts and Productivity Tools

- Q1. What do you mean by software? What are the two types of software?
- Q2. What is operating system? Why do we need operating system?
- Q3. Write the functions of operating system
- Q4. What are the different types of software? Explain each in 1 line.
- Q5. What is BIOS?
- Q6. Define the following a) Interpreter b)Compiler c)Assembler d) Language Processor
- Q7. Explain the term IDE.
- Q8. Explain the relationship between hardware and software with the help of an suitable example?
- Q8. Write a short note on : a) Utility Software b)Device Driver
- Q9. What do you mean by bit and byte?

Chapter 3-Information Security and Social Networking

- Q1. What do you mean by security of a computer?
- Q2. What is a computer virus?
- Q3. Define the term anti virus software?
- Q4. What is cyber crime? Explain with the help of an example
- Q5. Define the following terms: a)Worms b)Trojan c)Spyware d)Cookie
- Q6. What do you mean by term firewall in computer? How does it work?

Q7. Compare digital Signature and digital certificate?

Q8. Differentiate between the following

- a) Virus and Worm
- b) Authorization and Authentication

Q9. What are the common threats pertaining to social networking sites. Also write the precautions for each.

Q10. What is desktop security? What are the various measures?

SUBJECT TEACHER : _____

HOD: _____

PSYCHOLOGY

Chapter covered- Ch-5 Sensory, Attentional and Perceptual Process Ch-6 Learning

1. How does classical conditioning demonstrate learning by association?
2. A good role model is very important for a growing up child. Discuss the kind of learning that support it.
3. How can we identify students with learning disabilities?
4. How does transfer of learning takes place?
5. Why do illusions occur?
6. What is meant by light and dark adaptation? How do they take place?
7. How does perception of space take place?
8. How does auditory sensation take place?

Define the terms:

1. Functional Fixedness
2. Image
3. Mnemonics
4. Elaborative rehearsals
5. Echoic memory

SUBJECT TEACHER : _____

HOD: _____

PHYSICAL EDUCATION

Q1 What is SPD?

Q2 Define stress ?

Q3 Explain the procedure and benefits of chakrasana ?

Q4 Mention 3 sociological aspect of women participation of women player ?

Q5 Describe types of personality according to Sheldon ?

Q6 What are the causes of bad posture ? Describe in brief?

SUBJECT TEACHER : _____

HOD: _____

GENERAL STUDIES

DO L-12 : Ozone Layer Depletion & Its Effects, Greenhouse Effects & Its Consequences

L-14 : Pollution Related Diseases

L-16 : Energy Needs – Changing Global Patterns

L-19 : Conservation & Efficiency Of Energy Sources

SUBJECT TEACHER : _____

HOD: _____